

# Environmental Protection Agency

§421.116

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt dried	
Lead .....	16.950	7.871
Zinc .....	61.750	25.430
Ammonia (as N) .....	8,070.000	3,548.000
Fluoride .....	2,119.000	1,211.000

(g) Subpart K—Oxides Calcining Wet Air Pollution Control.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium-tantalum oxide dried	
Lead .....	1.076	.500
Zinc .....	3.919	1.614
Ammonia (as N) .....	512.200	225.200
Fluoride .....	134.500	76.840

(h) Subpart K—Reduction of Tantalum Salt to Metal.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead .....	46.500	21.590
Zinc .....	169.400	69.750
Ammonia (as N) .....	22,140.000	9,732.000
Fluoride .....	5,813.000	3,322.000

(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead .....	.572	.266
Zinc .....	2.084	.858
Ammonia (as N) .....	272.400	119.700
Fluoride .....	71.510	40.860

(j) Subpart K—Tantalum Powder Wash.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder washed	
Lead .....	5.721	2.656
Zinc .....	20.840	8.582
Ammonia (as N) .....	2,724.000	1,198.000
Fluoride .....	715.200	408.700

(k) Subpart K—Consolidation and Casting Contact Cooling.

## PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Fluoride .....	.000	.000

[49 FR 8817, Mar. 8, 1984, as amended at 50 FR 12253, Mar. 28, 1985]

## §421.116 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary columbium-tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

## PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.174	.081
Zinc .....	.635	.261
Ammonia (as N) .....	82.910	36.450
Fluoride .....	21.770	12.440

§ 421.116

(b) Subpart K—Solvent Extraction Raffinate.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	2.592	1.203
Zinc .....	9.442	3.888
Ammonia (as N) .....	1,233.000	542.5000
Fluoride .....	324.000	185.100

(c) Subpart K—Solvent Extraction Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.069	.032
Zinc .....	.251	.103
Ammonia (as N) .....	32.790	14.420
Fluoride .....	8.610	4.920

(d) Subpart K—Precipitation and Filtration.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	3.833	1.780
Zinc .....	13.960	5.750
Ammonia (as N) .....	1,825.000	802.200
Fluoride .....	479.100	273.800

(e) Subpart K—Precipitation and Filtration Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	1.778	.826
Zinc .....	6.478	2.668
Ammonia (as N) .....	846.600	372.200
Fluoride .....	222.300	127.000

40 CFR Ch. I (7–1–06 Edition)

(f) Subpart K—Tantalum Salt Drying.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt dried	
Lead .....	16.950	7.871
Zinc .....	61.750	25.430
Ammonia (as N) .....	8,070.000	3,548.000
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(g) Subpart K—Oxides Calcining Wet Air Pollution Control.

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	mg/kg (pounds per million pounds) of columbium-tantalum oxide dried	
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Zinc .....	3.919	1.614
Ammonia (as N) .....	512.200	225.200
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(h) Subpart K—Reduction of Tantalum Salt to Metal.

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

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## Environmental Protection Agency

§ 421.122

(j) Subpart K—Tantalum Powder Wash.

### PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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Lead .....	5.721	2.656
Zinc .....	20.840	8.582
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(k) Subpart K—Consolidation and Casting Contact Cooling.

### PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Fluoride .....	.000	.000

[49 FR 8817, Mar. 8, 1984, as amended at 50 FR 12253, Mar. 28, 1985]

§ 421.117 [Reserved]

## Subpart L—Secondary Silver Subcategory

SOURCE: 49 FR 8821, Mar. 8, 1984, unless otherwise noted.

### § 421.120 Applicability: Description of the secondary silver subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of silver from secondary silver facilities processing photographic and nonphotographic raw materials.

[49 FR 8821, Mar. 8, 1984; 49 FR 26739, June 29, 1984]

### § 421.121 Specialized definitions.

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

### § 421.122 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable technology currently available:

(a) Subpart L—Film Stripping.

#### BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver from film stripping	
Copper .....	95.670	50.350
Zinc .....	73.510	30.720
Ammonia (as N) .....	6,712.000	2,951.000
Total suspended solids .....	2,065.000	981.800
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) Subpart L—Film Stripping Wet Air Pollution Control and Precipitation and Filtration of Film Stripping Solutions Wet Air Pollution Control.

#### BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver from precipitation and filtration of film stripping solutions	
Copper .....	1.843	.970
Zinc .....	1.416	.592
Ammonia (as N) .....	129.300	56.840
Total suspended solids .....	39.770	18.920
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) Subpart L—Precipitation and Filtration of Film Stripping Solutions.

#### BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver precipitated	
Copper .....	109.400	57.570
Zinc .....	84.050	35.120
Ammonia (as N) .....	7,674.000	3,374.000